

10/582770

AP3 Rec'd PCT/PTO 12 JUN 2006

Express Mail Label Number ED 794123606 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Felix W. GRIMM, et al. : Attorney Docket: 2003DE140
Serial No.: to be Assigned :
Filed: June 12, 2006 :
For: Use of a Pigment Preparation Based on C.I. Pigment Yellow 74

Transmittal Letter

Notification of Amendments Under PCT Article 34

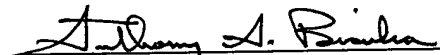
Mail Stop:
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Preliminary to the examination of the above-identified application, an Amendment was filed under Article 34 of the Patent Cooperation Treaty prior to the International Preliminary Examination. Please note that the attached pages, page 30 and 31, claims 1-8, were filed with the European Patent Office.

Applicant respectfully requests submission of this page before examination of the application and before entry of the Preliminary Amendment.

Respectfully submitted,



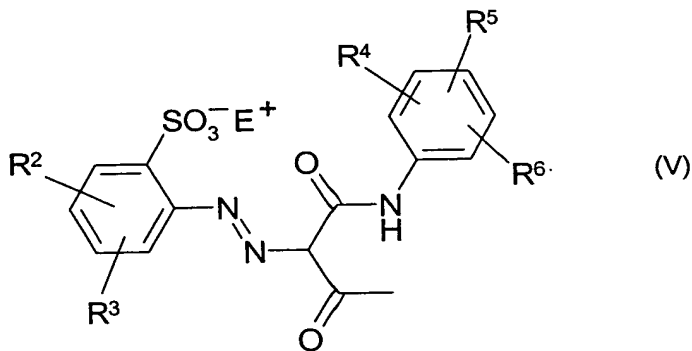
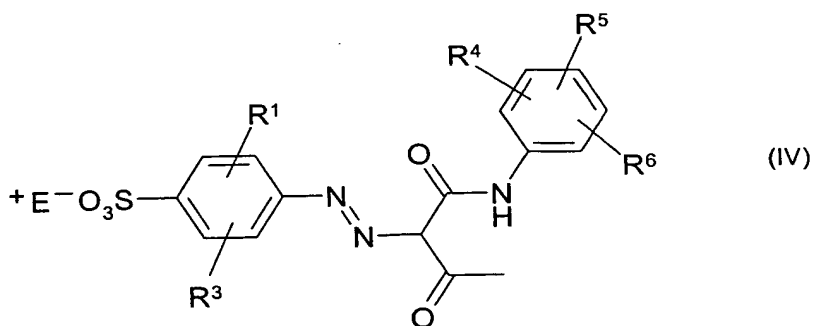
Anthony A. Bisulca
Attorney for Applicant
Registration No. 40,913

(CUSTOMER NUMBER 25,255)

Clariant Corporation
Industrial Property Department
4000 Monroe Road
Charlotte, NC 28205
Phone 704 331-7151
Fax 704 331-7707

New Claims:

- 1) The use of a pigment preparation comprising C.I. Pigment Yellow 74 as
 5 electrophotographic toners and developers, inks, aqueous binder systems, and
 color filters, wherein the pigment dispersants are selected from the group of C.I.
 Pigment Yellow 61, 61:1, 62, 62:1, 168, 169, and 191:1 or a combination of
 compounds of the formula (IV) and (V)



in which

- 15 R^1, R^2, R^3, R^4, R^5 , and R^6 independently of one another are hydrogen, halogen,
 C_1 - C_4 alkyl, C_1 - C_4 alkoxy, nitro, trifluoromethyl, cyano, phenyl, a group $SO_3^-E^+$ or
 COO^-E^+ , with the proviso that there is at least one and not more than two ionic
 groups of type $SO_3^-E^+$ or COO^-E^+ , and that, in the case of two ionic groups, one
 20 group is located in the coupler residue and the other in the base residue of the
 compound of the formula (I);
 E^+ is H^+ ;

the equivalent M^{m+}/m of a metal cation M^{m+} , m being the number 1, 2 or 3;
a phosphonium ion; or an unsubstituted or substituted ammonium ion.

- 2) The use as claimed in claim 1, wherein R^1 , R^2 , R^3 , R^4 , R^5 and R^6 are
5 hydrogen, chlorine, methyl, trifluoromethyl or methoxy.
- 3) The use as claimed in claim 1 or 2, wherein E^+ has the definition H^+ , Na^+ ,
 Ca^{2+} , Mg^{2+} , Sr^{2+} , Ba^{2+} , Mn^{2+} or Al^{3+} .
- 10 4) The use as claimed in one or more of claims 1 to 3, wherein the pigment
preparation contains
- a) 50% to 99.9%, preferably 60% to 99.5% by weight of Pigment Yellow 74,
 - b) 0.1% to 25%, preferably 0.5% to 15% by weight of 1, 2, 3, 4, 5 or 6,
preferably 1, 2, 3 or 4, pigment dispersants,
 - 15 c) 0 to 25%, preferably 0 to 15% by weight of auxiliaries,
the fractions of the respective components being based on the total weight of the
preparation (100% by weight).
- 20 5) The use as claimed in one or more of claims 1 to 4 for pigmenting ink-jet
inks.
- 6) The use as claimed in claim 5, wherein the ink-jet ink is a microemulsion
ink, a solvent-based ink-jet ink or a hot-melt ink-jet ink.
- 25 7) The use as claimed in one or more of claims 1 to 4 for pigmenting aqueous
printing inks, aqueous paints, and aqueous varnishes.
- 8) The use as claimed in at least one of claims 1 to 7 in an amount of 0.05% to
30% by weight, based on the material to be pigmented.